

Table 2: Restoration Techniques by Habitat Type

Last updated 3/09/04

Techniques by Habitat Type	Beach	Coral Reef	Dune	Forested Wetland	Freshwater Marsh	Hard Bottom	In-Stream	Kelp	Mangrove	Maritime Forest	Oyster Reef/Shell/bottom	Pond	Riparian Zone (non-wetland)	Rocky Shoreline	Salt Marsh	Shrub Swamp (non-mangrove)	Soft Bottom/Mud	Soft Bottom/Sand	Submerged Aquatic Vegetation	Upland	Water Column
Construction																					
native plant nursery construction		x	x	x		x	x	x	x		x	x		x	x			x	x		
reef construction: artificial materials	x				x	x				x	x							x		x	
reef construction: natural materials	x				x	x				x	x							x		x	
stream pool construction						x															
terracing				x										x							
Fauna																					
bird habitat enhancement	x		x	x	x					x		x	x	x	x				x		
coral reattachment	x																				
coral stabilization	x																				
coral transplant	x																				
fish hatchery construction						x						x							x		
fish passage					x		x					x		x							
fish exclusion devices				x		x						x		x							
stock enhancement						x						x								x	
disease control: fauna	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
invasives removal: fauna	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
oyster gardening										x											
species reintroduction (non-plant)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Hydrological manipulation																					
berm/dike modification (including replacement)		x	x		x		x				x	x		x	x	x	x	x	x	x	x
berm/dike removal		x	x		x		x		x		x	x		x	x	x	x	x	x	x	x
bulkhead removal		x	x		x		x		x		x	x		x	x	x	x	x	x	x	x
culvert modification (including replacement)		x	x		x		x		x		x	x		x	x	x	x	x	x	x	x
culvert removal		x	x		x		x		x		x	x		x	x	x	x	x	x	x	x
dam modification (including replacement)		x	x		x		x		x		x	x		x	x	x	x				
dam removal		x	x		x		x		x		x	x		x	x	x	x				
stream channel rehabilitation/creation		x	x		x		x		x		x	x		x	x	x	x		x		
stream flow modification		x	x		x		x		x		x	x		x	x	x	x	x	x	x	x
weir construction		x	x		x		x		x		x			x	x	x	x				
weir removal		x	x		x		x		x		x			x	x	x	x				
tide gate installation			x	x		x		x		x		x		x	x	x	x	x	x	x	x
tide gate removal			x	x		x		x		x		x		x	x	x	x	x	x	x	x

	Beach	Coral Reef	Dune	Foresighted Wetland	Freshwater Marsh	Hard Bottom	In-Stream	Kelp	Mangrove	Maritime Forest	Oyster Reef/Shell bottom	Pond	Riparian Zone (non-wetland)	Rocky Shoreline	Salt Marsh	Shrub Swamp (non-mangrove)	Soft Bottom/Mud	Soft Bottom/Sand	Submerged Aquatic Vegetation	Upland	Water Column
Techniques by Habitat Type																					
tide gate modification (including replacement)			x	x	x			x			x			x	x	x	x	x			
storm water/runoff controls	x		x	x		x		x	x	x	x	x	x	x	x	x	x	x	x	x	
Physical/Chemical Manipulation																					
beach nourishment	x	x																			
contaminant removal/remediation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
daylighting						x															
debris removal	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
erosion control	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	
fill removal				x	x	x	x		x			x	x	x	x	x	x	x	x	x	
large woody debris/structure placement						x															
nutrient management		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
placement of dredge material	x		x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	
prescribed burn			x	x	x				x	x		x	x	x	x	x			x		
substrate modification	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Protection																					
fencing/netting	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
land acquisition	x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	
signage	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
water rights acquisition							x				x									x	
Vegetation																					
planting				x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	
disease control: vegetation		x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	
invasives removal: vegetation		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	